

PUBLIC HEALTH **reports**  
HEALTH OF THE ELDERLY



Cover—Residents of a nursing home and a home for retarded children exchanged visits in a project to overcome institutionalized isolation. "Linking Young and Old Institutionalized People," which appears on pages 57-64, describes the demonstration. Nine papers in the special section, "Health of the Elderly," report on the mental and physical health problems of persons over 65 in the United States.

---

## HEALTH OF THE ELDERLY, A SPECIAL SECTION

- 3 • Research programs of the National Institute on Aging □ *Robert N. Butler*
- 9 Health of the elderly and use of health services □ *Mary Grace Kovar*
- 20 Terminal care—issues and alternatives □ *Claire F. Ryder and Diane M. Ross*
- 30 A nationwide study to evaluate the care of patients in nursing homes □ *Faye G. Abdellah*
- 33 Hospitalization for fractures and bone loss in adults. Why do we regard these phenomena as dull? □ *Charles M. Wylie*
- 39 Meeting the needs of the aged. The social worker in the community mental health center □ *Marie L. Blank*
- 43 • The elderly and drugs—problem overview and program strategy □ *Michele M. Basen*
- 49 Adult day care programs in the United States: current research projects and a survey of 10 centers □ *William G. Weissert*
- 57 Linking young and old institutionalized people □ *Jerry A. Solon, Rebecca P. Amthor, Margaret Y. Rabb, and James C. Shelley, Jr.*
- 65 • Relationship of wives' preventive health orientation to their beliefs about heart disease in husbands □ *William R. Aho*
- 72 Effect of economic barriers to medical care on patients' noncompliance □ *Frederick N. Brand, Richard T. Smith, and Peter A. Brand*
- 79 Influenza and Parkinson's disease □ *George Moore*

Continued

U.S. DEPARTMENT OF HEALTH,  
EDUCATION, AND WELFARE  
Joseph A. Califano, Jr., *Secretary*  
PUBLIC HEALTH SERVICE

HEALTH RESOURCES  
ADMINISTRATION

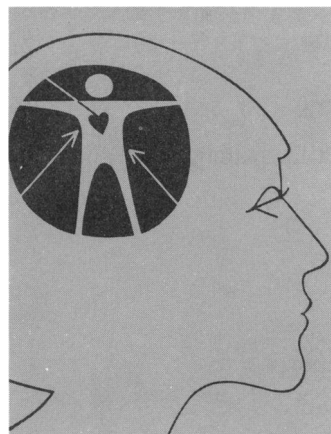
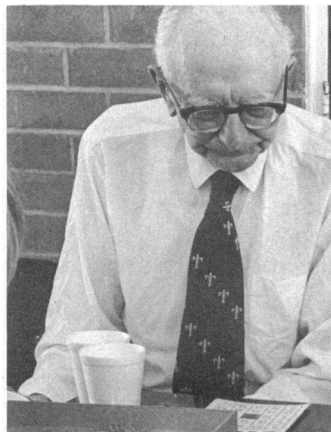
PUBLIC HEALTH REPORTS  
Marian Priest Tebben, *Editor*  
Esther C. Gould, *Assistant Executive Editor*  
Virginia M. Larson, *Managing Editor*  
Don Meeker, *Art Director*

Opinions expressed are the authors' and do not necessarily reflect the views of Public Health Reports or the Health Resources Administration. Trade names are used for identification only and do not represent an endorsement by the Health Resources Administration.

*Address correspondence to:*

Editor, Public Health Reports  
Room 9-53, Parklawn Bldg.  
5600 Fishers Lane  
Rockville, Md. 20857  
Telephone:  
Area code 301-443-2525

IN THIS ISSUE ▽ 57 ▽ ▽ 65



# PUBLIC HEALTH **reports**

81 Evaluation of a televised stop-smoking clinic ☐ *Ron Dubren*

## PROGRAMS ☐ PRACTICES ☐ PEOPLE

85 Focus on mental health of the aging

86 U.S. medical schools enroll record numbers

87 HRA sponsors conferences on energy

87 Conference of the Canadian Foundation on Alcohol and Drug Dependence

87 New noise abatement policy announced by OSHA

88 Guidelines for collection of long-term care data

88 New health manpower act is described in two publications

88 Use of contraceptives by currently married women

89 New VA hospital designed to remain operational in earthquake aftermath

89 Seminar on cardiovascular epidemiology and prevention

90 New test may help more women to survive ovarian cancer

90 VD includes more than syphilis and gonorrhea

91 Medical malpractice cases analyzed in NCHSR report

91 Advance data from NCHS surveys on blood pressure and hypertension

91 Industrial waste conference at Purdue, May 10-12, 1977

92 FDA proposes phaseout of chlorofluorocarbon propellants in aerosols

92 Study of cancer screening as a health benefit

92 Interview survey collecting weekly data on influenza

93 Materials available for Poison Prevention Week

93 7th International Congress of Dietetics to be held in Sydney, Australia, in 1977

93 Education notes

94 Publications

96 Information for contributors to Public Health Reports

☐ PHR bookshelf offer (cover 3)

### Subscription Information

To subscribe to Public Health Reports, send check or money order—\$2.05 per single issue, \$12.50 per year (6 issues), \$15.25 for foreign mailing to Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. All correspondence about paid subscriptions (for example, re change of address or failure to receive an issue) should also be addressed to the Superintendent of Documents.

Photo credits—Cover, pages 57, 58, 61, Lance Richardson. Pages 3, 4, 6, 8, National Institute on Aging



U.S. DEPARTMENT OF HEALTH,  
EDUCATION, AND WELFARE  
Public Health Service  
Health Resources Administration

---

## Materials Available for Poison Prevention Week

---

■ In connection with National Poison Prevention Week, March 20–26, 1977, the Education Committee of the American Association of Poison Control Centers has announced that the following materials are available:

- *Slide talk*, "Our Poison Jungle"—44 slides, 35 mm, color, with annotated script. Covers incidence, hazards, preventive measures, and first aid suggestions (\$16).

- *Filmstrip*, "Our Poison Jungle"—44 frames, color, for grades 3–5. Includes curriculum guide and recommended script. Script also available on cassette tape. Discusses hazards in home and how to prevent accidental poison-

ings (\$9; 10 or more \$8.50 each; cassette tape for filmstrip \$4).

- *Captioned slides* (new)—30 slides, 35 mm, color, with captions. Suitable for use in automatic projector with self-contained screen. For display in clinics, at health fairs, and so forth. Covers prevention and emergency procedures (\$11.50).

- *Activity book*—12 pages, for ages 5–10. Includes games, puzzle, maze, and pictures for coloring. Directed at teaching poison prevention safety rules (50 cents each; payment must accompany order unless ordered with slides or filmstrip; quantity prices on request).

- *Poster*, "Syrup of Ipecac" (new design). 17 by 22 inches, color. Urges parents to keep syrup of ipecac on hand in case poisoning occurs and physician recommends its use (100 copies \$15.00—minimum order).

- *Flyer*, Syrup of Ipecac—5 by 7 inches, 1 page, color. Urges parents to keep syrup of ipecac on hand in case a poisoning occurs and physician recommends its use. (Single copy free; may be used for quantity printing locally).

- *Pamphlet*, "Poison Isn't Kid Stuff"—3½ by 7 inches, 4 pages. Suggests dangerous household products be kept away from children and when a poisoning is suspected, medical advice be obtained. (Single copy free; may be used for quantity printing locally).

- *Pamphlet*, "When Times Get Hot & You're Under Stress"—3½ by 8½ inches, 4 pages, color. Lists the stressful times when accidental poisonings may occur and urges parents to be more alert at those times. (Single copy free; may be used for quantity printing locally).

- *First Aid for Poisoning card*—5 by 8 inches, blue and white. Instructions for handling poisoning emergencies. (200 or less free; may be used for quantity printing locally.) Courtesy of Plough, Inc.

All requests for these materials should be made to American Association of Poison Control Center. Education Committee, c/o Academy of Medicine of Cleveland, 10525 Carnegie Avenue, Cleveland, Ohio 44106.

---

## 7th International Congress of Dietetics to be Held in Sydney, Australia, in 1977

---

■ The 7th International Congress of Dietetics to be held in Sydney, Australia, from May 4 to 10, 1977, will be hosted by the Australian Association of Dietetics and the New Zealand Dietetic Association. The theme of the congress is "Dietetics Around the World," and international authorities on food and nutrition have been invited to present the keynote papers. The sessions will encompass current practices and innovations in nutrition education, food administration, applied dietetics, and community programs.

In keeping with the congress's theme, papers will be presented on food habits and their history, nutritional problems, and nutritional care in different countries. The sessions on nutrition education will focus on the basic techniques and skills of communication, motivation, education, and evaluation. One day will be devoted to problems of food administration. The applied nutrition and dietetics sessions will highlight the clinical consequences of dietary imbalances of one or more of the following: calories, sodium chloride, vitamins, sugar-alcohol, iron and calcium, texture-fiber-consistency, fat, and trace elements.

In the final session the discussions will focus on the evaluation of com-

munity nutrition education programs, the identification of vulnerable groups, implications for dietitians and nutritionists, and consumers' fears regarding today's foods. Papers and discussion groups of specific interest to younger dietitians will be included.

A circular, including the program and details of travel, tours, and accommodations, together with an enrollment form, is available from Dulcie Stretton Associates, International Dietetics Congress Secretariat, 70 Glenmore Rd., Paddington, N.S.W. 2021, Australia.

---

## education note

---

**Continuing medical education institute.** Sea and Shore Seminars of Washington, D.C., the Charles R. Drew Postgraduate Medical School, and the Office of Continuing Medical Education of the University of Cincinnati College of Medicine are sponsoring a seminar, "The Changing Seasons of Life: The Physician's Role."

The course is scheduled for April 23–30, 1977, aboard the SS *Rotterdam*, from New York to Nassau and Hamilton, Bermuda. The course is acceptable for

25 credit hours in Category I for the Physician's Recognition Award by the American Medical Association and for 25 prescribed hours of instruction by the Academy of Family Physicians.

Registration fee is \$175 before February 23, 1977; after this date the fee is \$200. Further information may be obtained from Sea and Shore Seminars, 2100 19th St., NW, Rm. 601, Washington, D.C. 20009. Attention: N. H. Chamberlain.

## FEDERAL

How Lawyers Handle Medical Malpractice Cases: An Analysis of an Important Medicolegal Study. Research Report Series. By William J. Curran, JD, LL.M., SMHyg. DHEW Publication No. (HRA) 76-3152. 1976; 46 pages.

An Analysis of the Southern California Arbitration Project, January 1966 through June 1975. Research Report Series. Prepared by Duane H. Heintz. DHEW Publication No. (HRA) 76-3159. November 1975; 38 pages.

Food for the Teenager During Pregnancy. By Margaret G. Phillips, EdD. DHEW Publication No. (HSA) 76-5911. 1976; 23 pages; 80 cents, \$1 minimum for mail order (Stock No. 1726.00036).

Research in Health Care Reimbursement. Spring-Summer 1976. Compiled by Trudi W. Galblum. HEW Publication No. (SSA) 77-11901. 1976; 27 pages.

Directory of Personnel Responsible for Radiological Health Programs. HEW Publication No. (FDA) 76-8051. July 1976; 29 pages.

Uranium in Dental Porcelain. By Donald L. Thompson, PhD. HEW Publication No. (FDA) 76-8061. September 1976; 28 pages.

Diagnostic Ultrasound: A Review of Clinical Applications and the State of the Art of Commercial and Experimental Systems. By Stephen W. Smith, PhD. HEW Publication No. (FDA) 76-8055. 1976; 82 pages; \$1.45.

Medical Education and the State. The Changing Pattern in Ten Countries. Fogarty International Center Proceedings No. 31. By Ronald V. Christie, MD. DHEW Publication No. (NIH) 76-943. 1976; 142 pages; \$4.40 (Stock No. 017-053-00045-1).

Prevention of Embryonic, Fetal, and Perinatal Disease. John E. Fogarty International Center for Advanced Study in the Health Sciences. Edited by Robert L. Brent, MD, Maureen I. Harris,

PhD, MPH, DHEW Publication No. (NIH) 76-853. 1976; 411 pages; \$8.20. (Stock No. 017-053-00043-0).

Utilization of Short-Stay Hospitals: Annual Summary for the United States, 1974. DHEW Publication No. (HRA) 76-1777. Vital and Health Statistics Series 13, No. 26. September 1976; 68 pages; \$1.35.

Study of Physicians' Income in the Pre-Medicare Period—1965. By Zachary Dyckman. HEW Publication No. (SSA) 76-11932. 1976; 188 pages; \$3.10 (Stock No. 017-070-00228-9).

Federal publications listed are obtainable from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should be accompanied by check or money order and should identify the publication. (Publications without prices may be obtained from the agency.)

## WORLD HEALTH ORGANIZATION

Nutrition in Preventive Medicine. WHO Monograph Series No. 62. By G. H. Beaton and J. M. Bengoa. 1976; 590 pages; Geneva.

Twenty-Ninth World Health Assembly, Geneva, 3-21, May 1976. Part I. Resolutions and Decisions, Annexes. Official Records of the World Health Organization No. 233. 1976; 115 pages; Geneva.

Executive Board, Fifty-Eighth Session, Geneva, 24-25, May 1976. Part I. Resolutions, Part II. Summary Records. Official Records of the World Health Organization No. 235. 1976; 59 pages; Geneva.

Vitamin A Deficiency and Xerophthalmia. Report of a Joint WHO/USAID Meeting. WHO Technical Report Series No. 590. 1976; 88 pages; \$3.20; Geneva.

Immunological Adjuvants. Report of a WHO Scientific Group. WHO Technical Report Series No. 595. 1976; 40 pages; \$2.40; Geneva.

Advances in the Drug Therapy of Men-

tal Illness. Based on the proceedings of a symposium jointly sponsored by the World Health Organization and the International Task Force on World Health Manpower, Geneva, 21-23 November 1973. 1976; 170 pages; \$12; Geneva.

Leprosy in Children. 1976; 22 pages; \$3.60 (ISBN 92 4 154053 2); Geneva.

IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man. Vol. 10. Some Naturally Occurring Substances. Lyon, International Agency for Research on Cancer. 1976; 353 pages; \$15.20; Geneva.

IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man. Vol. 11. Cadmium, Nickel, Some Epoxides, Miscellaneous Industrial Chemicals and General Considerations on Volatile Anaesthetics. Lyon, International Agency for Research on Cancer. 1976; 306 pages; \$13.60; Geneva.

WHO publications may be obtained from Q Corp., 49 Sheridan Ave., Albany, N.Y. 12210.

## NON-FEDERAL

Understanding Stress. By Arthur S. Freese. Public Affairs Pamphlet No. 538. August 1976; 20 pages; 35 cents. Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.

Marijuana: Current Perspectives. By Jules Saltman. Public Affairs Pamphlet No. 539. September 1976; 28 pages; 35 cents. Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.

Continuing Education in Management for Health Care Personnel. A second opinion. Health Services Monograph Series. By Donald K. White, MA, FHA. 1976; 54 pages; \$5. Hospital Research and Educational Trust, 840 North Lake Shore Dr., Chicago, Ill. 60611.

The Quality of Medical Care: Evaluation and Improvement. Health Services Monograph Series. By Beverly C. Payne, MD, and study staff, Thomas F. Lyons, PhD, Louis Swarshius, PhD, Marilyn

Kolton, PhD, and William Morris, PhD, 1976; 157 pages; \$8. *Hospital Research and Educational Trust*, 840 North Lake Shore Dr., Chicago, Ill. 60611.

Controlling Hospital Liability. A systems Approach. Developed and written by Maryland Hospital Education Institute. AHA Catalog No. 2662. 29 pages; \$5. American Hospital Association, 840 North Lake Shore Dr., Chicago, Ill. 60611.

Prevention of Handicap of Perinatal Origin. An introduction to French policy and legislation. By Margaret Wynn and Arthur Wynn. 1976; 32 pages; £2. Foundation for Education and Research in Childbearing, 27 Walpole St., London SW3.

National League for Nursing, 10 Columbus Circle, New York, N.Y. 10019 (payment must accompany orders of \$10 or less):

Criteria for Developing Clinical Performance Evaluation. By Carrie D. Lenburg, EdD. 1976; 16 pages; \$1.95 (Publication No. 23-1634). Instructor Accountability: Issues, Facts, Impact. 1976;

208 pages; \$6.95 (Publication No. 16-1626). State-Approved Schools of Nursing—L.P.N./L.V.N., 1976. 1976; 87 pages; \$4.50 (Publication No. 19-1620). Today's Issues: Tomorrow's Achievements. 1976; 43 pages; \$4.50 (Publication No. 16-1635). Education for Nursing: The Diploma Way—1976-77. 1976; 27 pages; 75 cents (Publication No. 16-1314). Scholarships and Loans for Beginning Education in Nursing. 1976; 13 pages; 75 cents (Publication No. 41-410). Pathways to Quality Care. 1976; 42 pages; \$3.95 (Publication No. 1636). Curriculum in Graduate Education in Nursing—Part II. Components in the Curriculum Development Process. 1976; 64 pages; \$3.95 (Publication No. 15-1632). Masters Education in Nursing: Route to Opportunities in Contemporary Nursing. 1976-77. 1976; 25 pages; 75 cents (Publication No. 15-1312). Baccalaureate Education in Nursing: Key to a Professional Career in Nursing—1976-77. 1976; 26 pages; 75 cents (Publication No. 15-1311). Baccalaureate Programs Accredited for Public Health Nursing Preparation—1976-77. 1976; 22 pages; \$1 (Publication No. 15-1313).

Some Statistics on Baccalaureate and Higher Degree Programs in Nursing—1974-75. 1976; 18 pages; \$2.50 (Publication No. 19-1609). Quality Assurance: Models for Nursing Education. 1976; \$4.95 (Publication No. 15-1611). Patient Care Guides—Practical Information for Public Health Nurses. (League Exchange No. 111.) 1976; 354 pages; \$9.95 (Publication No. 21-1610). People Power: Pressures, Problems, Persuasion, Patients, Perspectives. 1976; 58 pages; \$4.95 (Publication No. 20-1623). Collaboration in Health Care Education. 1976; 34 pages; \$2.95 (Publication No. 23-1617). Coping with Change Through Assessment and Evaluation. 1976; 102 pages; \$4.95 (Publication No. 23-1618). Teaching-Learning Strategies in Baccalaureate Nursing Education. 1976; 34 pages; \$2.85 (Publication No. 16-1622). Accountability: Accepting the Challenge. 1976; 90 pages; \$4.95 (Publication No. 16-1621).

Order non-Federal publications from publisher or sponsoring agency.

## SUBSCRIPTION ORDER FORM

PLEASE PRINT OR TYPE

# PUBLIC HEALTH reports

@ \$12.20 for mailing within the United States and its possessions. For mailing to all other countries, add \$3.05 for foreign handling.

NAME—FIRST, LAST		
COMPANY NAME OR ADDITIONAL ADDRESS LINE		
STREET ADDRESS		
CITY	STATE	ZIP CODE

☐ Remittance Enclosed (Make checks payable to Superintendent of Documents)

☐ Charge to my Deposit Account No. ....

MAIL ORDER FORM TO:  
Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402

# information for contributors

*Address correspondence  
on editorial matters  
to Editor,  
PUBLIC HEALTH REPORTS,  
Room 9-53,  
Parklawn Building,  
5600 Fishers Lane,  
Rockville, Md. 20857.  
Telephone:  
area code 301-443-2525.*

**PUBLIC HEALTH REPORTS**, published by the Health Resources Administration, welcomes from any source contributions of value to public health, health and medical care, and community medicine.

We are particularly interested in publishing scientific papers concerned with the delivery of health services and with the many facets of health care, as well as technical reports documenting studies and research efforts. We also seek papers on new programs, new projects, and new ideas, even when they are experimental in nature. We want to record the current happenings in the health field.

Our readers are practicing public health officials, community health practitioners, faculty and students in colleges where the health disciplines are taught, and workers in research institutions, hospitals, and community health organizations.

**Manuscript form.** To facilitate review, authors should submit four copies of their manuscripts. All copy, including references, should be typed double spaced, and each page should end with a completed paragraph. Each chart and table should be placed on a separate sheet of paper. References should follow the style used by the journal. Footnotes should be worked into the text. Authors' affiliations should appear on a separate sheet. Authors are expected to recognize scientific contributions by those who have assisted them only if such contributions warrant mention in the affiliation space or in the text. Journal policy does not allow publication of separate "acknowledgements."

The journal publishes a synopsis, in lieu of a summary, of most technical reports. Authors are requested to submit with appropriate papers a synopsis of approximately 250 words.

More detailed instructions, including information on the preparation of a synopsis, will be supplied on request.

**Manuscript review.** Most manuscripts submitted for publication are reviewed by technical experts in the Public Health Service as well as those not associated with the Service. Authors are given the opportunity to consider their comments or suggestions. Authors also receive edited typescripts and galley proofs for approval. Authors are responsible for the accuracy and validity of all material, including tables, charts, and references.

Manuscripts are reviewed with the understanding that they have not been committed for publication elsewhere. Appropriate information should be supplied if a paper has been presented at or prepared for a meeting.

**Tearsheets.** In lieu of reprints, senior authors are provided with 50 to 100 sets of tearsheets after publication. Associate authors receive a smaller number.

**Secondary publication and indexing.** Secondary publication of articles is provided in various abstracting journals (Abstracts for Social Workers, Current Literature in Family Planning). Articles are also indexed in the annual Cumulated Index Medicus and monthly Index Medicus (National Library of Medicine), Engineering Index, Hospital Literature Index (American Hospital Association), Cumulative Index to Nursing and Allied Health Literature, American Statistics Index, and Medical Socioeconomic Research Sources (MEDSOC), as well as in the Institute for Scientific Information's Current Contents (Social and Behavioral Sciences, Life Sciences, and Physical & Chemical Sciences), Social Sciences Citation Index, and Science Citation Index.